JOHN F. WEBER. - - EDITOR

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TERMS

One Year, in Advance

AUGUST 20, 1915

SAFFORD, ARIZONA

#### THE STEADY SUBSCRIBER

How dear to our hearts is the steady Who pays in advance at the birth of

Who lays down the money and does it quite gladly,
And casts round the office a halo of

He never says: "Stop it; I can not I'm getting more journals than now

But always says: "Send it; all readers In fact, we all think it a help and a

How welcome his check when it reaches our sanctum; How it makes our pulse throb; how

it makes our hearts dance, We outwardly thank him; we inwardly The steady subscriber who pays in

-Exchange.

#### HIGHWAY NEEDED

The people of Gila county have just voted on a \$500,000 road bond issue, which was carried by a vote of three to one. The people of Greenlee county authorized the issue of road bonds some time ago and is now completing a fine highway to the Graham county line.

Gila county will begin work at once on a highway to the Graham county line. So, in a short time, both Greenlee and Gila counties will have fine highways' for travel of all kinds and little old Graham, lying between and connecting both, will be the same old mud hole and source of disappointment to the progressive people of Gila and Greenlee counties as she has always

Good roads are absolutely needed in this county, where so much travel by roads is necessary, and yet the people of this county are now lagging far in the rear of all other counties in the State when it comes to good roads.

We will not allow ours believe that the people of Graham county intend to remain very long in the rear of the progressive procession and we fell that it will not be long before an election will be held for the purpose of authorizing a bond issue for the building of a highway through Graham county, the highway.

other counties in the making of military duties that will be necessary completed in the spring of 1918. good roads, and one of these lag- to perform and which they should gards is Graham county. Let us know if called to the colors to proget busy-every business man, every tect their country. farmer-and start the work of completing a good highway from Greenlee to Gila counties and get out at the present time with everything Panama-Pacific Exposition. It is of the rear to the head of the pro- favorable to starting out with a full coach No. 1,806. This car is a progressive procession, where we right- quota of men. The training that duct of western brains, having been cylinder walls. There is a greater fully belong.

good roads from now until the day military duties. the work is accomplished. Let us all stay on the job until the highway is completed from Greenlee to Gila, any yet built in any part of the

We should not be pikers when it comes to having the best highway

#### SEMI-ANNUAL TAXES

The passing of the bill by the legislature, providing for the semiannual payment of taxes, is causing of the tax collector, both through place in which to live. the misunderstanding on the part of the taxpayers as to the time for payments and because of the necessity of revising the account books you will have observed that some cows of that office.

are payable in two payments, though mind a cow that prefers to have a they may be paid in full at the time the first payment is due, if so desired. The first installment must refuses to be milked by anyone else. "General, I am lonesome. Every be paid on or before the first Mon- It is the meeting of these notions man in the camp has been converted very easily or very fast, however, day in November (November 8th of and desires of the cow that produces except me. I suppose it's the right and time given for it to burn in a this year), after which date the first the very best results. But how few installment becomes delinquent and persons think it worth while to meet penalties are added when paid, the affectionate demands of this general, "I see no difficulty in the ously affected, School, poll and road tax must be dumb mother. - Hoard's Dairyman. way of it, if you will just surrender paid with the first installment unless the taxpayer is exempt by law.

The second intaliment must be bling around the town, day and in blazes is going to drive them through the exhaust. This gunimy

The Guardian Installment becomes delinquent and he usual penalties are added.

each tract of land or town lot, sepa-

Six months after the second installment becomes delinquent, the tax collector must file suit in the The Guardian Publishing Co. and costs Court costs and sheriffs, bite the green stockings showing property.

#### CLEAN-UP DAY

The fourth Thursday in every month has been selected by the town council as "Clean-up Day," when all citizens will get busy and elean up their premises. For the purpose of keeping the town clean and healthy, "Clean-up Day" should become popular with every citizen.

For several months yet we will have the pestilent fly to deal with and there is no better way to rid the community of this germ carry ing pest than to destroy its breeding places. This is easily accomplished by keeping your premises clean; your front and back yards free from

If you keep a horse or cow, see that the manure is hauled away regularly and thus prevent the breeding of flies.

cure a fly trap and keep it in front the architect, says: of his business place. These traps

troops for patrol duty.

bandits have crossed at several set in the ceiling. places and raided ranches. A regi-

border to Arizona and run off cattle land." Mexicans reported injured.

#### MILITARY TRAINING

The best way to prevent war is to as well as good roads for feeders to be prepared for war and it is not a stands an inner shrine. bad idea to train all citizens up to

is being organized in Graham county play in the Southern Pacific's exhibit the men will receive will be worth designed in the company's offices at difference between the temperatures Let us agitate the question of the time they will give to their

#### "TUCSON IN 1915"

The Tucson Star got out a splenwith a better road, if possible, than did edition of 56 pages, Sunday, now has almost 900 all-steel passen-August 15th, under the title, "Tuc-

The edition was full of news for the home seeker, as well as for the scriptions; these including 147 all-

Many articles telling of Tucson's advantages in 1915 and numerous illustrations are contained in the issue and will be read with interest considerable confusion in the office by people who are seeking an ideal bules. They are lined in mahogany

> Did you ever notice that cows have their likes and dislikes? If you have

Tenth street, from K to I streets. has been graded and graveled, mak-Delinquent penalties for the non- ing a very fine improvement on the payment of taxes are: Interest at west end of town. The cement cuithe rate of 10 per cent per annum; verts across Tenth street at I street, a tax collector's fee of 4 per cent have also been completed. The next and a clerk's fee of 15 per cent for improvement on these two blocks, and one which is badly needed, is the removal of weeds and grass in the gutters and on the sidewalks.

A Pittsburg girl was badly frightsuperior court of the county to con- ened a few days ago when a horse dem and sell the property for taxes standing by the curb attempted to fees must be charged as costs and under the hem of her very short paid by the person redeeming the skirt. Of course, it was an audacious act on the part of the horse but he did not know that all is not grass that looks green.

> Safford should have a sewer sys tem as soon as possible and it would be a very good idea if the Chamber of Commerce would take up the matter and appoint a committee to go into the matter fully as to cost, the kind of system needed and how soon it could be accomplished

If one energetic fly can producby September 10th, 5.598,720,000, 000 flies, how many flies will one pile of manure produce?

The Safford Schools will open Monday, September 13th.

#### THE LINCOLN MEMORIAL

The Lincoln Memorial, now under construction in Washington, will be the costliest monument ever erected To carry out the plan for a cleaner to the memory of one man. Its town, the town council suggests cost will be \$2,000,000. The Washington correspondent of the Boston that every business man should pro Transcript, describing the plans of

The conditions along the border diameter at the base. The great subject. He says in part; erally composed of the paraffine series of hydrocarbons, while the n Arizona and Texas caused by raids central hall will be sixty feet wide of Mexican bandits have become so and high, and seventy feet long. In is due to the fact that when the serious that the war department the center will stand a heroic statue surfaces of the cylinder and piston of the latter two series as compared finds it necessary to send more of Lincoln. The lighting scheme is are separated by a film of oil the with the parafine series is their unique-the only light admitted to friction of these two metal surfaces tendency to distill without decomthe chamber is to come through is eliminated and the friction that On the Texas border, the Mexican marble panels, one inch in thickness, remains is only that occasioned by

ment of infantry has been sent to be divided by bronze beams, four ers of oil are sliding past each other, and each series of three panels will words, it is the same as if two lav-General Funston at Brownsville, feet deep, worked in oak and laurel- and the friction that occurs takes Texas, and an aeroplane from Fort leaf designs. The rays from lamps place inside the oil film and not on Sill, Okla., were ordered to the or sun will fall softly upon the head the surface between the film and of the martyred President, as like the metal. In other words, we have Carranza soldiers have crossed the as human genius can conceive it to a dual film-oil working against oil the "light that never was on sea or

One American was killed and ten forth the immortal phases of the atures encountered in the cylinders Gettysburg speech. Before each

the whole State that are behind all march, dig trenches and other ment. The work will probably be the explosion stroke.

### FIRST STEEL CAR

The first steel passenger car ever A company of the national guard built in the United States is on dis-San Francisco and built at Sacramento in 1906.

> Since that time the development of the steel coach has been rapid. any, higher than 267 degrees F. The Southern Pacific Company, according to General Superintendent of Motive Power T. W. Heintzleman, ger cars, none of any other material having been built for the last seven a total of 5,156 steel cars of all de-

The new cars are fitted with high have powerfully reinforced vestiriding qualities and safety.

#### HARD PROPOSITION

will take more kindly to some per- the Civil War who was so earnest in the requisite protective action from Beginning with this year, taxes sons than to others. We have in his religious efforts that in a short the heat. At any rate the part that time he had converted every man in we must look to for lubrication is the brigade except one hardened that part having the lowest tempercertain person milk her and when the trigade except the trigade except that part in the very thin layer she hears his voice in the barn she one day this man said, solemnly: next the cylinder walls. manage it.

your own will and ask for guidance."

The dog gone dogs are still ram-teamster. "If I am converted, who prevents it from being blown out constipation overnight.

## Now For One Mighty Swat!



### Interesting Points on the Science of Lubrication by Lieut. Bryan, U. S. N.

Few motorists know what lubrica The memorial will stand on a broad | tion really means, or can tell just can be made cheaply and will aid terrace, forty feet above grade, and what happens when the oil strikes materially in keeping the town free with a radius of 1,000 feet. It will the hot cylinder walls, and how it is be of pure Colorado marble. The affected. An article by Lieutenant colonnade, on all four sides, 188 feet G. S. Bryan, U. S. N., published in long and 118 feet wide, will contain the February Journal of the Ameri-MORE TROOPS FOR BORDER thirty-eight columns forty-four feet can Society of Naval Engineers,

"The lubricating value of an oil the sliding action of the molecules Each panel is two by four feet, of oil past each other. In other

"Under the conditions of high rubbing speed and small piston ring and there was a riot at Nogales, in On the north wall, set in an impressure that are generally found which American soldiers and civilians mense marble tablet with bronze in motor cylinders, light oils, such participated, resulting in the Mexi- letter, will be Lincoln's second in as are used in turbines, would probcans being driven across the line. augural address. From the same design, will stand if it were not for the high temperaugural address. From the south ably give the most efficient results

"Before discussing the effect of tablet will be set four pillars, so these high temperatures, it will be placed as to give the effect of divid- well to determine just what they ing the hall into separate chambers, are. Recent experiments abroad and making that in which the statue have shown that the maximum tem perature attained in an internal The plans show a lagoon extend- combustion engine is about 2,700 ing in front of the memorial 2,000 degrees F. This is the maximum There are just two counties in 50 years of age, how to handle arms, feet toward the Washington Monu- and is obtained only at the top of

'A recording thermometer used about 2,700 degrees F., the minimum about 250 degrees F., and the average during a complete cycle in the transportation building at the about 950 degrees F. These temperatures are those of gases in the cylinders and are not those of the of these two. As long as the water is not boiling we know that the temperature of the wall is little, if

inner and outer surfaces of the oil mother noticed, with regret, that film will be exposed to quite differ- her young son had lost all interest ent conditions. . The inner surface in his native State, while she wished is exposed to the high temperature him always to remember lovingly of combustion, and without doubt the land of his birth. One day call years. Altogether the company has is very greatly damaged thereby. ing him to her, she said: The outer surface is exposed only to the comparatively low tempera- read you a few lines from a speech pleasure seeker, the traveler and steel baggage, 38 motor and 187 ture of the cylinder walls, and with delivered at Des Moines, Iowa, by suburban electric cars. The main a film of any appreciable thickness Dr. Newell Dwight Hillis, pastor of line coaches are 60 feet long and would be protected from the heat Plymouth Church, Brooklyn" (who

> We can consider the film as conting layer. It is well known that ing when he made lowa." an exceedingly thin layer will furthat the greater part of the thick-There was a brigadier-general in ness of the film is used up in giving

"Lubricating oil does not burn thing, but I don't see how I can motor cylinder is very short. Under the intense heat, however, the inner "Why, my good fellow," said the surface of the oil film will be vigor-

"Some oils form a thick, viscous, gummy deposit, which retains the "That's just it, general," said the carbon formed on its surface and paid on or before the first Monday night, and are a great nuisance. mules?"-The Philadelphia Public deposit gradually gets thicker and

LUBRICATING OILS carbon deposit so well known

'Oils made from asphalt base crudes have shown themselves to be much better adapted to motor cylinders, as far as their carbon-form ing proclivities are concerned, than are the paraffine-ba-e Pennsylvania oils. The carbon formed from the latter is, as a rule, extremely hard and clings to the metal surface while that from the former is soft and can easily be wiped off any surface that it is deposited on. This would be expected from a consider-

also been demonstrated in practice. "The explanation lies in the fact that the paraffine-base oils are genly of the ethylene and napthene series. One of the characteristics position. Consequently no gun, will be formed on the cylinder walls, and the carbon liberated will be mostly discharged with the exhaust

#### SUDAN GRASS

I have had several years experience in growing sudan grass and have found it to be a very valuable hav or forage crop. It is equal to the best of other grasses in feeding value and is better than many of ing it, says A. L. Paschall, Farm Advisor for Cochise and Santa Cruz Counties, U. of A. Agricultural Extension Service and United States Department of Agriculture. It is one of the best, if not the best, drought resisting and drought evasive forage plants known.

A recent Texas Station Builetin states that the average yield of Sudan grass hay from 20 tests of four different sub-stations, was 7,656 counds per acre. In cured hay it ranged from two to six tons per in the above investigation showed acre. Its acre-feeding value is more than twice that of Johnson grass. that the maximum temperature was The Ohio Station found that its acrefeeding value is twice that of

This crop is admirably adapted to Arizona conditions and should be more extensively grown. It is also valuable as a feed crop, yielding from 400 to 950 pounds per acre.

#### BEST OF ALL

An Iowa family had located in sunny Arizona and were very happy 'It naturally follows that the with their surroundings, but the

"Son, sit down and listen, while I due to low conductivity of this film. had also been an Iowa boy).

The mother read: "Young man, speed brakes of new design and sisting of two layers, the function don't leave your State thinking there of one of these being to furnish the is a better country in the East or lubrication, and of the other being West. God Almighty smiled when finish and are steam heated. Their to withstand the destructive action he made New York and Seattle, but advantages combine comfortable of heat and to protect this lubrica he laughed outright with his bless-The lad springing to his feet,

nish lubrication, and it is probable shouted, "H'm, I'll bet God just roared when he made Arizona.'

#### Is Sickness a Sin? If not, it's wicked to neglect ill

ess and means of relief. It's wicked to endure liver ills, headache, indigestion, constipation, when one dose of Po-Do-Lax gives relief. Po-Do-Lax is Podophyllin (May Apple), without the gripe. It arouses the liver, increases the flow of bile nature's antiseptic in the bowels. Your constipation and other ills disappear overnight because Po-Do-Lax has helped nature to remove the cause. Get a bottle from your druggist today. Get rid of your

# Behind This Bank

is a service that is prompt and sure, fair in its dealings, keen to learn the needs of its customers and eager to make its interests their own. We have every department known to banking, and our full resources of experience and equipment are at your disposal. We solicit your patronage on the ground of deserving it.

The Bank of Safford A HOME INSTITUTION SAFFORD.

# **A VACATION** SUGGESTION

ARIZONA

On your going trip stop-over at Los Angeles and take trips to Ocean Park and Venice. Southern California's most popular beach resorts. San Diego the 'Exposition City:" Catalina Island—the 'Gem of the Pacific."

Stop-over at Santa Barbara—the Mission City and at Paso Robles—California's famous inland watering place.

Stop-over at Castroville and take a trip to Del Monte with its beautiful Hotel. Park. 17-mile drive and 40-mile scenic boulevard.

Stop-over at Santa Cruz, the "Atlantic City of the West" and take a trip to the Big Trees—one of the world's wonders.

Stop-over at Palo Alto-the seat of Leland Stanford University. Spend at least two weeks in San Francis viewing the Exposition and take short side trip

Berkeley-the home of the University of California, with its celebrated Greak Theatre.

Mount Tamalpais over the "Crookedest Rail-road in the World." Lake Tahoc - A mile high in the mountains

On your return trip-Stop-over at Merced and take a trip to Yesemite 'ark—one of Uncle Sam's grandest National arks, reserved for you as a playground.

THE FARE TO SAN FRANCISCO AND RE-

\$48.25

# CLOSING OUT

### Hardware MB Harness AT BARGAINS

We have the best General Merchandise and all kinds of Groceries, marked down to Lower Prices for Cash, and we give you part of our profits.

P. J. JACOBSON, SAFFORD

### Safford Ice and Creamery Company Safford, Arizona

CRYSTAL ICE. BUTTER, PASTEURIZED CREAM AND CREAMERY SUPPLIES

Agents for De Laval Separators

HIGHEST CASH PRICE PAID FOR ...BUTTER FAT...

#### Electric Rates GILA VALLEY ELECTRIC, GAS AND WATER CO.

SAFFORD, ARIZONA Lighting Rates

For a monthly consumption of 6.66 KWH or less All in excess of 6.66 KWH consumed in one month Electric current for electric irons, electric fans and other electric appliances, if taken from the lighting circuit, will be charged for at the lighting rates, provided, however, that a consumer may avail himself of a cheaper rate by installing, at his own expense, a separate circuit and meter, in which case the following rates will apply:

#### Current for Electric Irons, Fans, Etc.

For the first 15 KWH consumed in any one month \$.12 1-2 per KWH For the next 15 KWH consumed in any one month All in excess of 30 KWH consumed in any one month. Power Rates, Day Service For the first 100 KWH consumed in any one month

per KWH per KWH For the next 100 KWH consumed in any one month For the next 250 KWH consumed in any one month For the next 250 KWH consumed in any one month For the next 300 KWH consumed in any one month All in excess of 1,000 KWH consumed in any one month \$.031-2 per KWH A monthly minimum charge of \$1.00 for one horse power or less, and 50 cents for each additional horse power of connecting load shall be made. This minimum, however, shall not be charged in addition to the above

#### Sign Lighting

Special rates can be had for sign lighting by applying to the office of the Company.

Are you a member of the THE GUARDIAN FOR FINE BOOK PRINTING